

NE>XTGEN

POWER CONTROLS

— Product catalogue

www.nextgenpowercontrols.com

NE>XT

Welcome to **NE>X TGEN**



We continuously and sincerely put efforts to enhance our technical Knowledge through excellent industrial interaction which has developed a unique dimension to our product and final system execution.

We believe that our product quality and efficient After Sale Service system is enhanced by developing deep and transparent relationship with our esteemed clients.

Our company **“Next-Gen Power Controls”** has been widely acclaimed as one of the most reliable manufacturing, supplying, as well as distributing firm in the whole market arena. Our customers have appreciated us for providing them with a highly accurate and qualitative range of Electrical Panels and other services. This are inclined to provide our clients with the option of customization as per their specifications.

We supply there to our varied clients pertaining from electrical and mechanical industries. Ensuring a complete safeguarding of the electrical and power arrangements, these panels are effective enough in their area of applications. We provide these panel to our clients on the most competitive and industry leading prices. In addition to this we are also providing our clients with specific services such as Installation and Repairing of these panel from time to time. These electrical panels manufactured by us have made from some of the best raw materials procured from reliable vendors in the markets.

OUR MISSION

To provide best Quality, Highly Reliable, Human Friendly, Highly Safe & Cost Effective solutions and services as per customers applications & requirements. To achieve success through the commitment of our employees and actively engage, empower and continuously develop our workforce.

OUR VISION

Our Vision is be a BRAND, where the name is enough for buyer to choose.

Industries

we serve



Our Certifications



Our Products

- »X POWER CONTROL CENTER (P.C.C.) PANEL
- »X MOTOR CONTROL CENTER (M.C.C.) PANEL
- »X AUTO MAINS FAILURE (A.M.F.) PANEL
- »X AUTOMATIC POWER FACTOR CORRECTION (A.P.F.C.) PANEL
- »X SYNCHRONIZING and AUTO LOAD SHARING PANEL.
- »X LT PANEL
- »X POWER DISTRIBUTION PANEL (P.D.B.)
- »X MOTOR STARTERS (ie DOL, STAR-DELTA, ATS, SLIP RING)
- »X AC DRIVE (VFD) & SOFT STARTER CONTROL PANEL
- »X POWER LOGIC CONTROL (P.L.C.) PANEL
- »X FIRE HYDRANT/FIRE FIGHTING PANEL
- »X SOLAR ACDB/DCDB
- »X AC/DC RESISTIVE LOAD BANK
- »X ALL TYPES OF LIGHTING, POWER & CONTROL PANELS

Dealing with Other Product

- »X TRANSFORMER / CSS
- »X HT PANEL / RMU / LBS
- »X HT / LT CABLE
- »X STABILIZER
- »X CABLE TRAY
- »X EARTHING
- »X TRUNKEY PROJECT
- »X RETROFITTING WORK

POWER CONTROL CENTER (P.C.C.) PANELS

- Main LT Panel / PCC Panel with single / multiple Incomers, Bus coupler with Electrical and/or mechanical
- Interlocking are provided.
- Protective Relays, Indication lamp, Meters are to be provided whichever required.
- PCC Panel are offered with various Design like Top / Middle / Horizontal Bus bar chambers, Panel with Aluminum or Copper Bus bar, Top / Bottom / Front / Rear cable Termination Combination of APFC part with the Panel.
- PCC Panel with provision to connect bus duct at main Incomer side.



MOTOR CONTROL CENTER (M.C.C.) PANELS

MCC Panels are with Fix / Draw Out type.

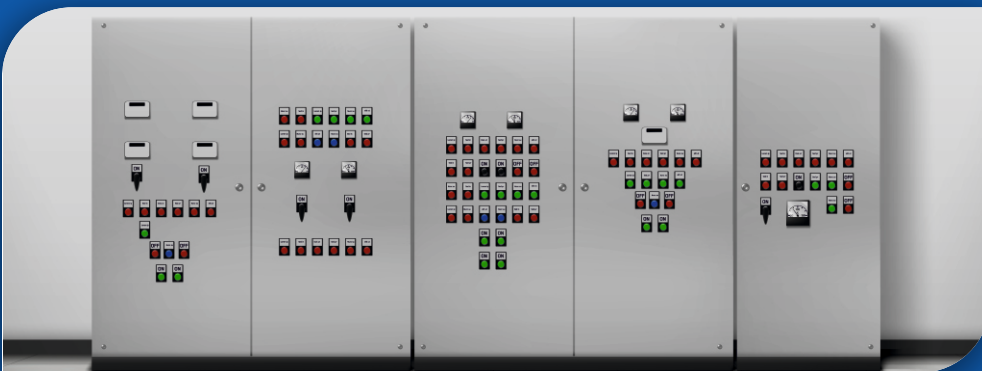
MCC Panels with DOL, STAR-DELTA, RDOL, VFD, SOFT STARTER, ATS starters.

Protective Relays, Indication lamp, Meters are to be provided whichever required.

MCC Panel are with various design like Single / Double Front, with DCS / Marshaling terminations.

Facilities of different control voltage with control transformer control Bus.

With type-2 co-ordination wherever required.



AUTOMATIC POWER FACTOR CORRECTION (A.P.F.C.) PANEL

- APFC Panel is provided for controlling the power factor. The front of the fully compartmentalized feeder for controlling individual capacitors, where as rear side house Capacitors in a well ventilated panel area.
- APFC with microprocessor based relays for controlling power factor to desired values.
- RTPFC Panels using Thyristor based capacitor switching.



SYNCHRONIZING AND AUTO LOAD SHARING PANEL

- Variety of Synchronizing and Auto Load Sharing Control Panels.
- Microprocessor based Controller with a high degree of customization, which can be configured to meet the Clients requirements.
- Synchronization and Automatic Load Sharing between multiple Power sources/lines like Mains, Grid, Generators.



AUTO MAINS FAILURE (A.M.F.) PANEL

- ›X AMFS are most commonly used in the systems that required automatic from Mains supply to DG Supply and other similar applications.
- ›X Manual / Semi Auto / Fully Auto AMFS.
- ›X Microprocessor based Controller with a high degree of customization, which can be configured to meet the Clients requirements



FIRE FIGHTING PANEL / FIRE PUMP CONTROL PANEL

- ›X This Panel with DOL, STAR-DELTA, ATS, SOFT STARTER, VFD starters.
- ›X Provision of Main Pump, Jockey Pump, Sprinkler Pump, Booster Pump, Engine Driven Pump.
- ›X Automation with Pressure switch.
- ›X Facilities of different control voltage with control transformer control Bus.
- ›X With type-2 co-ordination wherever required.



FEATURES

CONSTRUCTION DETAILS

Modular with Non- compartmentalized / Semi- compartmentalized / Fully- compartmentalized construction.

Panel structure with MS CRCA/SS.

Indoor / Outdoor type Structure.

Single front/double front Operated.

Provision for Extensible for future use.

Provision of Rubber Gaskets to meet IP requirement like IP-42/52/54/55/65.

Arrangement for heat dissipation by means of Exhaust Fan or Lower.

PRE TREATMENT AND PAINTING

Three Tank / Seven Tank Pre treatment process.

Final paint shade as per IS or client specifications.

Synthetic Enamel / Epoxy based primer / Powder coating as per customer's requirement.

BUS BAR ARRANGEMENT & CABLE ALLEY

Electrical Grade Aluminum / Copper Busbar.

Main busbar chamber at top / bottom of the Panel.

Separate chamber for vertical dropper.

Busbar System design on basis of continuous Current rating and Fault level withstand capacity.

Allowable temperature rise as per IS 8623 or as per specifications.

Busbar supports of SMC/DMC Material.

Top / Bottom cable entry. Detachable gland plate for cable entry.

ASSEMBLY & WIRING

Selection of components from Approved / Reputed vendor list as per Approved Drawing.

Design of Internal Layout for optimum usage of space.

Internal wiring with 660/1100 v Grade PVC coated stranded Copper Flexible Wires.

Crimping Lugs are used for internal Connections / Terminations.

QUALITY ASSURANCE & CONTR

Inspection of Fabrication structure for dimension as per approved G.A. drawing

Inspection of Painting / Powder coating

Routine Test are conducted on each panels like

A) Insulation Resistance(I.R.) test with 1000V DC Megger

B) H.V. test with 2.5 KV/Min between Phases-Phases, Ph-Neutral, Ph-Earth

C) Function Test

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